

WHAT IS CLAIMED IS:

1. A slide device for a vehicle seat, comprising:
 - a lower rail mounted to a vehicle-body floor, the lower rail being formed with a plurality of lock openings at predetermined intervals in a longitudinal direction of the lower rail;
 - an upper rail fixed at a lower portion of the seat, the upper rail being slidably mounted to the lower rail;
 - a bracket fixed to the upper rail;
 - a coil spring;
 - a lock mechanism swingably supported to the bracket, the lock mechanism allowing slide lock of the seat in a desired position, the lock mechanism comprising a lock piece comprising a plurality of lock pawls rotatively biased by the coil spring, the lock pawls being engaged in and disengaged from the lock openings of the lower rail;
 - a first spring protrusion formed with the bracket, the first spring protrusion catching one end of the coil spring;
 - a lock releasing lever formed with the lock piece of the lock mechanism, the lock releasing lever catching another end of the coil spring; and
 - a second spring protrusion formed with the lock piece of the lock mechanism, the second spring protrusion being located in the neighborhood of the first spring protrusion, the second spring protrusion catching the one end of the coil spring provisionally.
2. The slide device as claimed in claim 1, wherein the bracket comprises a pair of symmetrical L-shaped members holding therebetween a shaft for swingably supporting the lock piece of the lock mechanism, and a mounting seat for positionally adjustably mounting the L-shaped members to the upper rail.

3. The slide device as claimed in claim 2, wherein the mounting seat comprises a skirt extending downward to face the lock openings of the lower rail, the skirt being formed with a plurality of guide openings corresponding to the lock openings.

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4. A slide device for a vehicle seat, comprising:

a lower rail mounted to a vehicle-body floor, the lower rail being formed with a plurality of lock openings at predetermined intervals in a longitudinal direction of the lower rail;

10 an upper rail fixed at a lower portion of the seat, the upper rail being slidably mounted to the lower rail;

a bracket fixed to the upper rail;

a coil spring;

means swingably supported to the bracket for allowing slide lock
15 of the seat in a desired position, the slide lock allowing means comprising a lock piece comprising a plurality of lock pawls rotatively biased by the coil spring, the lock pawls being engaged in and disengaged from the lock openings of the lower rail;

a first spring protrusion formed with the bracket, the first spring
20 protrusion catching one end of the coil spring;

a lock releasing lever formed with the lock piece of the slide lock allowing means, the lock releasing lever catching another end of the coil spring; and

a second spring protrusion formed with the lock piece of the slide
25 lock allowing means, the second spring protrusion being located in the neighborhood of the first spring protrusion, the second spring protrusion catching the one end of the coil spring provisionally.

5. A method of assembling a slide device for a vehicle seat, the slide
30 device comprising:

a lower rail mounted to a vehicle-body floor, the lower rail being formed with a plurality of lock openings at predetermined intervals in a longitudinal direction of the lower rail;

an upper rail fixed at a lower portion of the seat, the upper rail
5 being slidably mounted to the lower rail;

a bracket;

a coil spring;

a lock mechanism swingably supported to the bracket, the lock mechanism allowing slide lock of the seat in a desired position, the lock
10 mechanism comprising a lock piece comprising a plurality of lock pawls rotatively biased by the coil spring, the lock pawls being engaged in and disengaged from the lock openings of the lower rail;

a first spring protrusion formed with the bracket;

a lock releasing lever formed with the lock piece of the lock
15 mechanism; and

a second spring protrusion formed with the lock piece of the lock mechanism, the second spring protrusion being located in the neighborhood of the first spring protrusion,

the method comprising:

20 catching one end of the coil spring to the lock releasing lever;

catching another end of the coil spring to the second spring protrusion;

fixing the bracket to the upper rail; and

moving and catching the one end of the coil spring to the first
25 spring protrusion,

whereby the lock piece of the lock mechanism is biased in a lock direction after assembling the slide device.

6. The method as claimed in claim 5, wherein the bracket comprises
30 a pair of symmetrical L-shaped members holding therebetween a shaft for

swingably supporting the lock piece, and a mounting seat for positionally adjustably mounting the L-shaped members to the upper rail.

7. The method as claimed in claim 6, wherein the mounting seat
5 comprises a skirt extending downward to face the lock openings of the lower rail, the skirt being formed with a plurality of guide openings corresponding to the lock openings.